

Capacity (25°C)	20HR (0.60A, 5.25V) = 12.00AH 10HR (1.13A, 5.25V) = 11.37AH 5HR (2.04A, 5.25V) = 10.20AH 1HR (6.6A, 5.25V) = 6.6AH
Operating Temperature Range	Charge = -15°C to +50°C Discharge = -40°C to +60°C Storage = -20°C to +60°C
Approx. Weight	1.62kg
Internal Resistance	Fully charged at 25°C : ≤ 12mΩ
Self Discharge	3% per month at (25°C)
Capacity Affected by Temp. (20HR)	40°C = 102% 25°C = 100% 0°C = 85% -15°C = 65%
Charge Voltage (25°C)	Cycle Use = 7.20-7.35V (-15mV/°C) Max Current = 3.6A Float Use = 6.75-6.90V (-10mV/°C)
Dimensions (Nominal)	Length: 150mm (5.91 in.) Width: 50mm (1.97 in.) Height: 93mm (3.66 in.) Total Height: 99mm (3.90 in.)

- Completely sealed, maintenance-free, low self-discharge
- State of the art AGM and grid alloy formula technology
- Non-spillable, stable quality and high reliability with excellent re-charging performance
- Floating and standby use up to: 5 years
- Cycle use: Up to 260 cycles at 100% DoD
- Cycle use: Up to 500 Cycles at 50% DoD
- Container and Cover Material – ABS UL94-HB (optional UL94-V0)
- Transportation - D.O.T., I.A.T.A. & F.A.A.

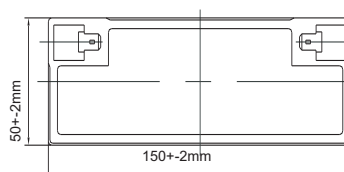
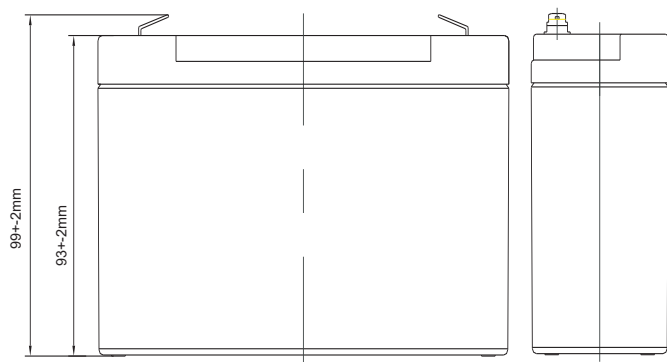


■ APPLICATIONS

Multipurpose
Telecommunications
UPS
Medical Equipment

Alarm & Security System
Comm. Power Supply
Elec. Power System (EPS)
Emergency Backup Power

DC Power Supply
Auto Control System
Traffic Control Signaling
Emergency Lighting



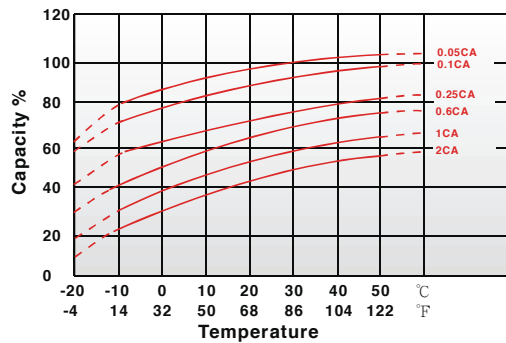
Terminal Type

F2

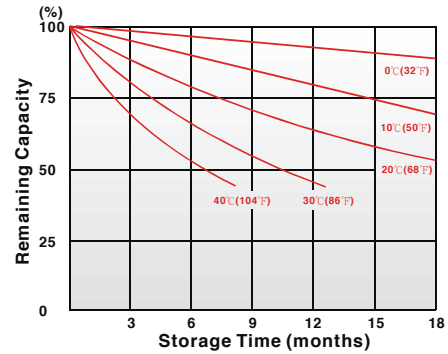


0.250" x 0.032" quick disconnect tabs

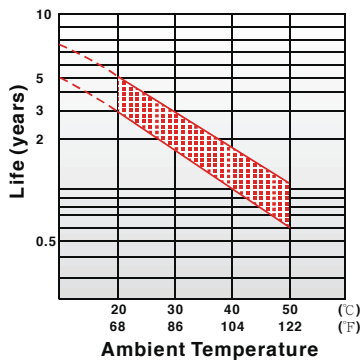
■ Effect of Temperature on Capacity 25°C (77°F)



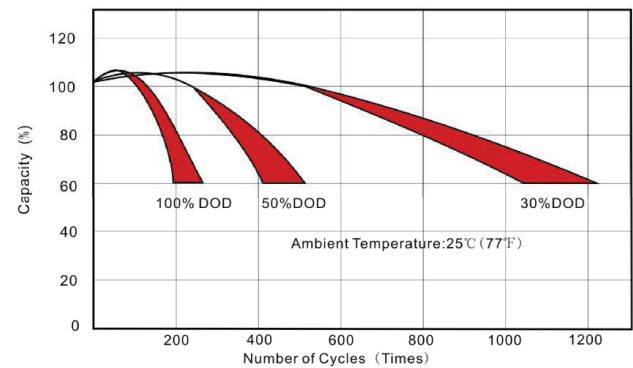
■ Capacity Retention Characteristic



■ Trickle (or Float) Service Life



■ Cycle Service Life



Regular Charge / Float Charge / Storage

- Charging voltage temperature compensation needs to be applied when temperature is below 0°C and above +45°C.
- Charging in temperatures below 0°C, the charge current should not exceed 0.1C as the core battery temperature can increase rapidly and damage the battery.
- During floating charge or when in storage, the life of the battery is cut in half for every 8°C temperature rise over 25°C.

Discharge

- Discharging at elevated temperatures improves performance of the battery yet shortens its life due to accelerated aging.
- Low temperature affects the battery internal resistance and lowers its capacity.
- The battery will operate in temperature lower than -20°C when fully charged.
- The battery provides 100% specified capacity at 25°C. At -40°C the battery will deliver 35% of its stated capacity @10HR discharge rate and 10% of its stated capacity @1HR discharge rate.

Constant Current Discharge (A) at 25°C (77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	23.14	18.58	14.70	9.55	5.69	3.59	2.77	2.28	1.90	1.29	1.06	0.56
1.80V/cell	29.15	22.73	17.72	11.09	6.35	3.92	3.00	2.45	2.04	1.38	1.12	0.59
1.75V/cell	33.20	25.11	19.19	11.60	6.60	4.07	3.10	2.52	2.09	1.40	1.14	0.60
1.70V/cell	37.05	27.43	20.62	12.14	6.85	4.21	3.19	2.59	2.15	1.42	1.15	0.61
1.67V/cell	41.07	29.80	22.02	12.70	7.08	4.36	3.28	2.66	2.21	1.44	1.17	0.62
1.60V/cell	44.16	31.53	23.03	13.23	7.33	4.50	3.38	2.73	2.26	1.46	1.18	0.63

Constant Power Discharge (W) at 25°C (77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	42.30	34.55	27.63	18.24	11.02	6.99	5.41	4.45	3.73	2.55	2.09	1.12
1.80V/cell	52.19	41.54	32.82	20.98	12.21	7.58	5.83	4.77	3.99	2.71	2.22	1.18
1.75V/cell	58.20	45.10	35.05	21.73	12.63	7.83	5.99	4.89	4.08	2.75	2.24	1.19
1.70V/cell	63.55	48.40	37.13	22.50	13.03	8.07	6.15	5.00	4.17	2.78	2.27	1.20
1.67V/cell	68.87	51.63	39.06	23.31	13.38	8.30	6.29	5.12	4.27	2.82	2.30	1.21
1.60V/cell	73.21	53.60	40.26	24.02	13.78	8.53	6.46	5.25	4.36	2.85	2.33	1.23